

Combined functional profiling of dermatitis and psoriasis datasets using KEGG pathways

31 significant modules

LOR indicates Log Odds Ratio of the coefficient or the interaction

p indicates FDR adjusted p-value

	LOR t d	LOR t p	LOR In- ter	p t d	p t p	p Inter	pattern	name
00920	-0.35	-1.37	-1.02	0.74	0.00	0.03	q4i	Sulfur metabolism
04080	0.11	-0.03	0.17	0.70	0.91	0.04	b13	Neuroactive ligand-receptor interaction
00120	-0.08	-0.04	0.31	0.91	0.93	0.01	b13	Bile acid biosynthesis
00310	0.24	-0.15	0.34	0.76	0.82	0.00	b13	Lysine degradation
00632	-0.30	-0.57	-0.97	0.78	0.53	0.03	b24	Benzoate degradation via CoA ligation
04060	0.70	0.03	-0.09	0.00	0.91	0.85	xh	Cytokine-cytokine receptor interaction
04640	0.56	-0.17	0.07	0.02	0.62	0.93	xh	Hematopoietic cell lineage
00010	0.96	-0.53	0.24	0.00	0.08	0.06	xh	Glycolysis / Gluconeogenesis
04650	0.72	0.35	-0.22	0.00	0.12	0.31	xh	Natural killer cell mediated cytotoxicity
04612	0.77	0.42	-0.31	0.00	0.10	0.19	xh	Antigen processing and presentation
04210	0.62	0.06	-0.04	0.01	0.91	0.96	xh	Apoptosis
05050	1.36	-0.76	0.28	0.01	0.14	0.18	xh	Dentatorubropallidoluysian atrophy (DR-PLA)
04940	1.01	0.10	-0.22	0.00	0.90	0.72	xh	Type I diabetes mellitus
05040	1.01	-0.19	-0.25	0.01	0.90	0.93	xh	Huntington's disease
04662	0.68	-0.34	0.15	0.04	0.34	0.70	xh	B cell receptor signaling pathway
05131	0.83	-0.13	-0.05	0.02	0.90	0.96	xh	Pathogenic Escherichia coli infection - EPEC
05130	0.83	-0.13	-0.05	0.02	0.90	0.96	xh	Pathogenic Escherichia coli infection - EHEC
04514	0.57	-0.30	0.10	0.00	0.18	0.72	xh	Cell adhesion molecules (CAMs)
00030	1.15	0.72	-0.49	0.04	0.31	0.57	xh	Pentose phosphate pathway
04930	1.14	0.64	-0.55	0.00	0.22	0.19	xh	Type II diabetes mellitus
01040	-1.11	-1.00	-0.63	0.02	0.18	0.27	xl	Biosynthesis of unsaturated fatty acids
03010	-1.24	-0.46	-0.47	0.00	0.66	0.48	xl	Ribosome
00251	-0.82	0.62	-0.08	0.02	0.17	0.96	xl	Glutamate metabolism
00600	-0.70	0.79	-0.05	0.17	0.05	0.96	yh	Sphingolipid metabolism
00900	-0.85	0.98	-0.11	0.17	0.01	0.94	yh	Terpenoid biosynthesis
00040	0.86	1.06	-0.48	0.30	0.01	0.41	yh	Pentose and glucuronate interconversions
05120	0.04	0.89	-0.34	0.94	0.00	0.31	yh	Epithelial cell signaling in Helicobacter pylori infection
00100	-0.72	0.74	-0.10	0.08	0.05	0.94	yh	Biosynthesis of steroids
05110	0.94	0.97	-0.62	0.10	0.01	0.07	yh	Vibrio cholerae infection
00620	0.56	-1.30	-0.04	0.52	0.00	0.98	yl	Pyruvate metabolism
00630	0.14	-1.30	-0.44	0.91	0.01	0.81	yl	Glyoxylate and dicarboxylate metabolism

Table 1: LOR: log odds ratio; p: adjusted p-value FDR











